

## **-86°C Ultra Low Temperature Freezer**

### **FSF-86V188E**

Promed Ultra Low Temperature Freezer are specially designed to store samples products.



#### **Features**

- Ambient temperature :10°C~32°C.
- Accurate Temperature control technology to make the temperature maintain -40°C~-86°C and accuracy 0.1 °C.
- Independent research and development of mixed refrigerant can make device save energy 50%.
- Better uniformity, uniformity is increased 30%.
- The single level optimization of auto cascade refrigeration system design, less refrigeration component for easy maintenance.
- 304 stainless steel inner chamber for friendly using and easy cleaning.

#### **Safety**

- Build-in back-up battery to display temperature and to operate audible and visual alarm system for up to 72 hours without AC power.
- Visual and audible alarm system:High/low temperature,Power failure,Abnormal voltage,Sensor error,Filter screen check,Low battery,Condenser clean,High ambient temperature,Door ajar alarm and Thermostat failure.
- Power failure protection: turn on delay of the cooling system when power failure,restart delay protection.
- Keyboard lock, password protection to avoid set parameter randomly.
- Special noise reduction design.

#### **Humanized design**

- 4 casters with stopper for easy moving and fixation.
- Standard 25mm test hole for easy connecting to temperature monitoring systems.
- 2 adjustable shelves for easy storing.
- Removable condenser dust gauze convenient for cleaning and maintenance.
- Removable inner door for user to defrost and clean.
- Standard USB port,USB port to read temperature and alarm conditions in recent 1 months.

Performance	
Temperature Range	-40~-86°C
Ambient Temperature	+10~+32°C
Controller	Microprocessor
Display	Digital Display

Refrigeration System	
Compressor/Brand	1/CUBIGEL
Refrigerant	Mixed
Cooling Type	Direct cooling
Defrost Type	Manual

Electrical Data	
Power Supply(V/Hz)	220/50~60; 110/60
Rated Power(W)	660
Electrical Current(A)	4.3
Power Consumption	8.2 kWh/24h
Power failure backup system	72H

Dimensions	
Capacity	188L
Interior Size(W*D*H)	465*465*830mm
Exterior Size(W*D*H)	850*930*1595mm
Package Size(W*D*H)	880*910*1820mm
N.t./G.t.(approx)	174/224kg
Loading Qty(20'/40'/40'H)	12/26/26

Alarm	
High/Low Temperature	Y
Sensor Error	Y
Power Failure	Y
Door ajar	Y
High Ambient temp.	Y
Condenser clean	Y
Low battery	Y
Filter screen check	Y
Abnormal voltage	Y
Thermostat failure	Y

Accessories	
Data logger	Optional
Caster	4
USB port	Y
Inner Door/shelf	3/2
Test hole	1/25MM
Remote alarm port	Y
CO2 back up system	Optional
LN2 back up system	Optional
Cold storage box loading QTY	10800